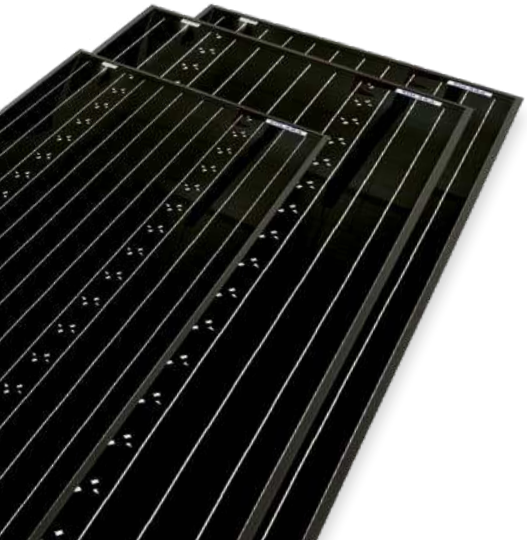
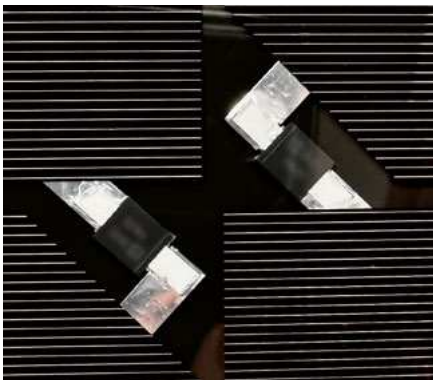


SOLARA Power S-Series HV deluxe

SOLARA POWER S-SERIES HV DELUXE, 120, 190 AND 205 WATTS

- With pioneering ASD technology or maximum possible performance
- Fully operational at all times, partial shading of up to ¼ of all cells caused by luggage racks, branches, skylights, etc. is no longer a problem thanks to the unique ASD technology.
- 72 high-yield, highly light-sensitive Mono-Perc cells with > 22 % efficiency
- Genuine high-voltage module, therefore suitable for charging 12 V and 24 V battery systems
- Innovative, toughened 2 mm TVG solar glass with anti-reflective coating for up to 5% higher yields, especially on cloudy days – and with minimal weight.
- For extreme applications, such as motorhomes, off-road use, sailing yachts, expedition vehicles, catamarans, etc.
- Large, waterproof junction box, with connection cables and MC4 connectors
- Manufactured exclusively in Germany





ASD technology

(ASD = anti-shadow diode)

Each of the 72 solar cells has its own intelligent diode, which actively redirects the current in the event of shading, thus ensuring that the maximum achievable charging current remains available.

Fully operational - at any time.

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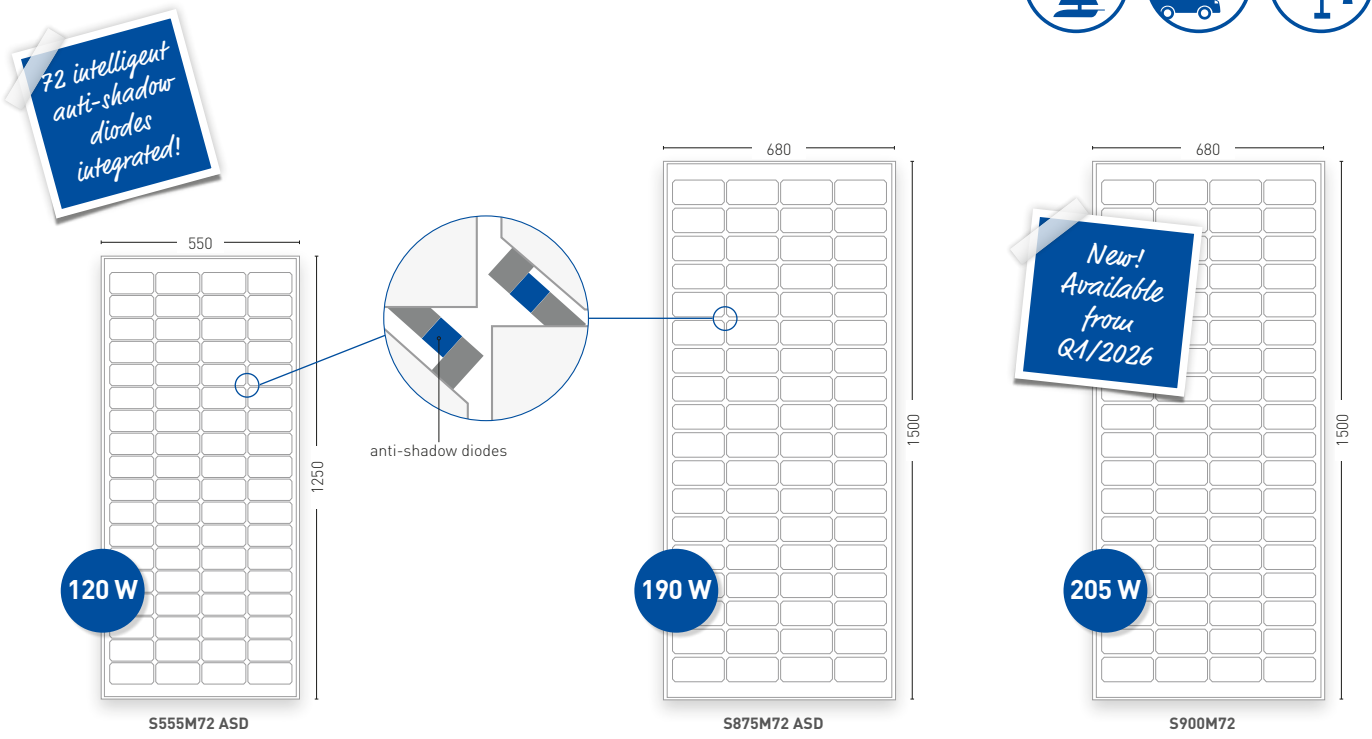

PERFORMANCE

Type	S555M72 ASD	S875M72 ASD	S900M72
Daily output in summer in Germany (Ø) Wh/d	400	875	900
Rated output[1] (Pmpp) Wp	120	190	205
Short-circuit current (Isc) A	3.1	4.9	5.4
Open-circuit voltage (Uoc) V	49.0	49.0	49.0
Voltage (Umpp) V	41.8	41.8	41.8
Current (Impp) A	2.84	4.51	4.9
No. of cells	72	72	72

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1.5, cell temperature 25° C

Dimensions and weight

Dimensions (L x W x H) mm	1250 x 550 x 35	1500 x 680 x 35	1500 x 680 x 35
Weight kg	6.6	9.3	9.3
Cell dimensions mm	123 x 62	156 x 78	156 x 78

Thermal properties

TK Pmpp %/°C	-0.42
TK Uoc %/°C	-0.32
TK Isc %/°C	0.04
NOCT °C	46 ± 2

Used materials

Cell technology	monocrystalline PERC with > 22 % efficiency
Frontside	Tempered solar glass with anti-reflective coating
Frame	Anodized aluminium hollow profile, black
Junctionbox	IP67 with original MC4 connector

More technical data

Measuring accuracy Pmpp at STC	± 5 %
Operating temperature range	-40°C to +85°C
Glass thickness	3.2/2.0 mm

PROVED SOLARA® QUALITY

Quality Made in Germany

5 years product guarantee*